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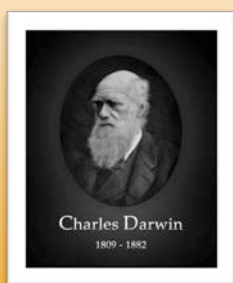


# @ the Bradbury

Special Events & News

## International Darwin Day is February 12<sup>th</sup>

Darwin Day is a global celebration of science held on February 12, the birthday of evolutionary biologist Charles Darwin.



Darwin's theory of evolution through genetic variation and natural selection has become the central organizing principal in biology. In fact, today's research on viruses, gene therapy, vaccines, or even the design of heartier algae, relies on the principles of evolution.

*Celebrate Darwin's birthday at the museum by attending our evening lecture on genetic research at Los Alamos National Laboratory.*



## What Did You Just Say?

On any given day, the museum has hundreds of learners walk through its doors, some of which are hearing impaired and require assisted listening devices such as a hearing aid or cochlear implant. In normal environments, these aids are incredibly helpful, but in noisier environments it can become difficult to filter the sounds appropriately. Thanks to Los Alamos National Laboratory's Infrastructure Planning group and Americans with Disabilities Act (ADA) funding, the museum has just completed the installation of an induction loop assistive listening system (ALS) in our auditorium. These systems magnetically transfer microphone or video sound signals to hearing aids equipped with a telecoil receiver, thus transforming the devices into in-the-ear loudspeakers that deliver sound customized for one's own hearing loss. We hope this will enhance our visitors' movie and lecture experiences.

## Save the Date!

**Evening Lecture**  
**February 12 @ 5:30**  
**Tanmoy Bhattacharya**  
Genetics in the Era  
of Big Data

**Brown Bag Lecture**  
**February 26 @ Noon**  
**Shawn Starkenburg**  
New Jobs for Our  
Oldest (and Smallest!)  
Workforce

**Science Cinema**  
**Every Saturday**  
**@ 10:30 AM**  
Featuring a  
different science  
film every week.



## Informal Science Education in Action

Meet Liz and Gordon, the seriously smart and talented duo that make up the Bradbury Science Museum's *Science Matters* education team. These two work tirelessly to infect both children and adults with the joys of learning.

If they are not out visiting schools teaching classrooms full of kids about things like the solar system, geology, or nanotechnology, you'll find them on the floor of the museum giving demonstrations or in their offices designing new ways to interact with the public. Their main goal is to inspire and excite people of all ages about anything related to science, technology, engineering, and math (STEM).

In a recent publication by nationally respected educators Falk and Dierking<sup>1</sup>, they contend that average Americans spend less than 5% of their life in classrooms. Their research shows that free-

choice learning experiences represent the single greatest contributors to adult science knowledge. So important is the work of Informal Science Education (ISE) that for FY14 alone, the National Science Foundation (NSF) received a

\$55 million funding package from the US Government to enhance their *NSF Advancing Informal STEM Learning Program*.

So why don't we hear more about informal education programs? This is exactly the mission of the Bradbury

Science Museum, to enhance the visibility and frequency of these critical teaching opportunities and enrich the learners' experiences through creative programming.

To create your own science learning experience, visit the museum or explore our website at:

[www.lanl.gov/museum/explore](http://www.lanl.gov/museum/explore).

<sup>1</sup> Falk, J. H., & Dierking, L. D. (2010). *The 95 percent solution. American Scientist*, 98(6), 486-493

*"To become a scientist, a person at any age must first be able to see herself or himself as a scientist."*

— BSM Educators



**Subscribe  
to our  
Newsletter**

To subscribe to our monthly newsletter, visit the museum's website at:  
[www.lanl.gov/museum/events/events-mailing.shtml](http://www.lanl.gov/museum/events/events-mailing.shtml)



## Monthly Lectures

### Evening Lecture: February 12, 2014 5:30 PM to 7:00 PM

Tanmoy Bhattacharya, scientist and researcher at Los Alamos National Laboratory's Theoretical Division, will discuss the Laboratory's history in genetics and focus on how the oncoming era of big data is revolutionizing the use of HIV genetics to understand the virus and develop interventions against it.

### Brown Bag Lecture: February 26, 2014 Noon to 1:00 PM

Shawn Starkenburg from the Bioenergy and Biome Sciences group at Los Alamos National Laboratory will talk about "New Jobs for Our Oldest (and Smallest!) Workforce." At this lecture, you will discover how New Mexico scientists are leveraging two billion years of algal evolution to power the planet.

Attendees are welcome to bring their lunch.

## About the Lectures

Join us every month for evening and lunchtime lectures. Admission is always FREE and open to the public. Can't make it in person? Don't worry. Each talk is recorded and uploaded to YouTube after a brief review process. You can find links to some of our past lectures on our website:

<http://www.lanl.gov/museum/events/lectures.shtml>

## About the Museum

Bradbury Science Museum is located at 1350 Central Avenue in downtown Los Alamos, New Mexico.

Approximately 40 interactive exhibits trace the history of the WWII Manhattan Project, highlight Los Alamos National Laboratory's current and historic research projects related to defense and technology, and focus on Laboratory research related to energy, environment, infrastructure, health and global security concerns.

**Hours: Tuesday – Friday: 10:00 AM to 5:00 PM**  
**Sunday & Monday: 1:00 PM to 5:00 PM**



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[www.lanl.gov/museum](http://www.lanl.gov/museum)